

CANNING.001CP2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

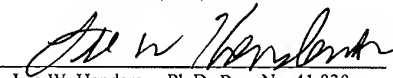
Applicant : Francis X. Canning
Appl. No. : 10/619,796
Filed : July 15, 2003
For : SPARSE AND EFFICIENT
BLOCK FACTORIZATION FOR
INTERACTION DATA
Examiner : Herng Der Day
Group Art Unit : 2128

**CERTIFICATE OF EFS WEB
TRANSMISSION**

I hereby certify that this correspondence, and any other attachment noted on the automated Acknowledgement Receipt, is being transmitted from within the Pacific Time zone to the Commissioner for Patents via the EFS Web server on:

August 20, 2008

(Date)


Lee W. Henderson Ph.D., Reg. No. 41,830

AMENDMENTS AND RESPONSE TO OFFICE ACTION DATED JUNE 20, 2008

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated June 20, 2008, Applicant respectfully submits the following amendments and comments in connection with the above-captioned application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 9 of this paper.